

## **ABSTRACT**

### **TRAFFIC ROUTING AND SIGNALLING IN A CONNECTIONLESS COMMUNICATIONS NETWORK**

- Label switched paths are installed in a label switched communications packet network. Paths are selected by defining and installing partial routes each comprising two or more paths such that an end-to-end route across the network can be defined as the concatenation of two partial routes. Signalling to select a path is effected by
- 5 sending a path message from an end point to a first virtual router, determining a path from the end point to the virtual router, and forwarding an identity of the path to a second virtual router. The second virtual router determines a routing vector across the network, and returns information identifying the routing vector to the first virtual router.